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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

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Calcutta, the 28th March, 1987

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APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700017

The dated shown in crescent brackets are the dates claimed under Section 135, of the Act.

The 19th February, 1987

134/Cal/87. Debabrata Narayan Chowdhury. Car Vehicles petrol diesel engine exhaust gas purifying apparatus.

135/Cal/87. Combustion Engineering, Inc. Solids feeder.

136/Cal/87. Bricmont & Associates, Inc. Furnace dust recovery process.

The 20th February, 1987

137/Cal/87. (1) Vsesojuzny Nauchno-Issledovatelsky I Proektny Institut Alujminievoi, Magnievoi I Elektrodnoi Promvshlenno Sti; (2) Nauchno-Proizvodstvennoe Obiedinenie Po Abrazivam I shlifovaniju. Method of nondestructive quality control of carbon articles.

The 23rd February, 1987

138/Cal/87. S. M. Sayeed. Electronic Time Recorder Clock—with auto print system.

139/Cal/87. ELI Lilly and Company. Optical fiber apparatus.

140/Cal/87. Washington University Technology Associates, Inc. Method and apparatus for granulation and granulated product.

The 24th February, 1987

141/Cal/87. The Project & Development India Ltd. (Research & Development Division). A process for envicting low-grade high magnesia content pock phosphate making it suitable for use in the preparation of phosphoric acid.

142/Cal/87. Montana Wind Turbine, Inc. Wind Turbine.

The 25th February, 1987

143/Cal/87. Siemens Aktiengesellschaft. Electro-Acoustic Transducer.

144/Cal/87. Anthony Athanassiadis. Method for removing a volatile material from a liquid and equipment for the working thereof.

145/Cal/87. Sri Madal Sen. Duck house or cage for ducks.

146/Cal/87. Sri Pradip Kumar Routh. Achintya Auto Bulk dust handler (ABDH).

APPLICATIONS FOR PATENTS FLED IN THE PATENT OFFICE BRANCH AT TODI ESTATES, 3RD FLOOR, SUNMILL COMPOUND, LOWER PAREL (WEST), BOMBAY-13

The 23rd January, 1987

18/Bom/87. Jalaram Chemicals Pharmaceuticals Pvt. Ltd. A drip chamber assembly for use in administering liquids intravenously to patients.

The 27th January, 1987

19/Bom/87. Rallis India Limited. An improved process for the preparation of d-2-(6-methoxy-2-naphthyl) propionic acid.

20/Bom/87. Rallis India Limited. A process for the preparation of 2, 2-Diphenyl-4-hydroxybutyric acid-lactone from 2, 2-Diphenyl-4-bromobutyro nitrile.

21/Bom/87. Prakash Krishna Ratnaparkhi. Thermo Electric Water Cooler.

The 28th January, 1987

22/Bom/87. Sham Bhalachandra Antoorkar. Fall Prevention device.

23/Bom/87. Jayant Ramachandra Karandikar. Chart, diagram or picture capable of changing its format/look by sliding or rotating a component or components thereof.

The 29th January, 1987

24/Bom/87. Kotobuki & Co. Ltd. Writing Utensil.

25/Bom/87. Larsen & Toubro Ltd. A corrosion control device.

26/Bom/87. Hoechst India Ltd. Novel antimalarial composition.

27/Bom/87. Pestonji Jal Pad[illegible]h. An improved physical exercise device for strengthening and developing the muscles of the body.

28/Bom/87. Devendra Somabhai Naik. Rapid jet dyeing machine with a very low material liquor ratio of 1 : 2 to 1 : 3.

The 2nd February, 1987

29/Bom/87. Mr. Francis Nunes. An improved ferry called Roll on Roll off type.

The 3rd February, 1987

30/Bom/87. Arun Bhaskar Gangal. An improved grinder-cum-pounder.

The 4th February, 1987

31/Bom/87. Kotobuki & Co. Ltd. Dual refill-type writing utensil.

The 5th February, 1987

32/Bom/87. Bhaskar Prem Mitra. Surya Bindu.

33/Bom/87. Tukaram Kundlik Dhonde. A single chain track crawler tractor for use in agricultural operations.

The 6th February, 1987

34/Bom/87. Nariman Khurshedji. An improved portable dental/examination/operation chair-cum-table.

35/Bom/87. V. G. Kamlapure, C. G. Kamlapure, N. G. Kamlapure, V. G. Kamlapure (M/s. Kamlapure Dresses). An improved child saree called sonya saree.

36/Bom/87. Honeywell-Elac-Nautik GmbH. Method and apparatus for detecting very small concentrations of gases or vapors in a gas mixture.

37/Bom/87. Wipro Information Technology Limited. Ledger entry terminal for the purposes of accounting.

The 9th February, 1987

38/Bom/87. R. Bala Subramanian. Improvement in and related to electrostatic copiers.

The 10th February, 1987

39/Bom/87. Greaves Foseco Limited. A flux for the modification treatment of molten aluminium alloy containing silicon and a method of manufacturing the same.

40/Bom/87. DESPAK PLC. 11-2-86—U.K. 26-9-86—U.K. Improvements in or relating to gas pressurised dispersing containers.

The 11th February, 1987

41/Bom/87. Shri Suresh Goverdhandas Pardhanani. Supertag System.

APPLICATION FOR PATENTS FILING AT FOR PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

The 2nd February, 1987

64/Mas/87. MOHAMMAD IQBAL, Improvements in or Relating to Incandescent Electric Lamps.

65/Mas/87. T.A. VIJAYAN, An Improved Solar Concentrator.

66/Cal/87. BARR AND STROUD LIMITED, Gunnery Training System.

67/MAS/87. HENKEL KOMMANDITGESELLSCHAFT AUF AKTIEN, Quaternary 2-aikylimidazolinium salts, a Process for their production and their use.

The 3rd February, 1987

68/Mas/87. LUCAS INDUSTRIES PUBLIC LIMITED COMPANY, "Improvements in Self Energising Disc Brakes". (February 7th, 1986, U.K.).

69/Mas/87. NISSEI ASB MACHINE CO. LTD., Synthetic-Resin Hallow Container with Grip and Method of Molding the Same.

70/Mas/87. NADELA, "Pre-Stressed Ball Bearing and Method and Tool for DS Manufacture".

71/Mas/87. OLE-BENDT RASMUSSEN, Method and apparatus for the manufacture and stretching of a laminate.

The 4th February, 1987

72/Mas/87. DYNAMIT NOBEL AKTIENGESELLSCHAFT, Explosive Delay Detonator.

73/Mas/87. RUDIGER STEFFEN, Process and apparatus for Preventing bird Collisions.

74/Mas/87. MERLIN GERIN, "Draw-In and Draw-Out Mechanism of an Electrical Circuit Breaker with Main and Auxiliary Circuits".

75/Mas/87. DYNAMIT NOBEL AKTIENGESELLSCHAFT, Explosive Delay Detonator.

76/Mas/87. PFISTER GMBH, Platform Weighing Apparatus and Method for Producing Thereof.

The 5th February, 1987

77/Mas/87. LACREX BREVETTI S.A., Contact-Breaking Ignition plug and method of Generating a Spark Therewith.

78/Mas/87. KUDOS LIGHTING LIMITED, Lampholder. (February 21st, 1986, U.K.).

79/Mas/87. FIZZ WIZZ OVERSEAS LIMITED, "Beverage Dispensing. Apparatus". (February 10th, 1986, U.K.).

80/Mas/87. ENICHEM S.P.A., "Process for the Reduction of Fluorides of Silicon". (July 23rd, 1986, Canada).

The 6th February, 1987

81/Mas/87. MANYA SUDHAKARA MALLYA, A Device for use with a Loom for Knotting Rugs and Carpets.

82/Mas/87. MERLIN GERIN, Metalclad Substation Subdivided into Tight Compartments.

83/Mas/87. FLAKT AKTIEBOLAG, "A Method and Arrangement for cleansing a flow of hot contaminated gas".

84/Mas/87. RICHFORD HOLDINGS INC, "A Chapati Making Machine".

85/Mas/87. ROBERT BOSCH GMBH, "Sheathed-element glow plug for diesel engines".

The 10th February, 1987

86/Mas/87. CHELUWACHARI KALACHARI, A Device for Converting Hydroelectric Potential into vacuum and vice Versa.

87/Mas/87. CHELUWACHARI KALACHARI, A Device for Generating Electricity Using Sea-Waves.

88/Mas/87. CHELUWACHARI KALACHARI, A Device for Generating Electricity using Tidal Waters.

89/Mas/87. CHELUWACHARI KALACHARI, A Device for Generating Electricity using Buoyancy of Water.

90/Mas/87. RAMESHCHANDRA PANDITRAO PALNITKAR AND OTHERS, A Moving Stator Field Motor Operating on a Direct Current Source.

91/Mas/87. NAGY ADLY HABIB, 'Method of Modifying the Lipid Structure Function and Expression of Cell Membranes and Pharmaceutical Compositions for use Thercin' (February 14th, 1986, G.B.).

92/Mas/87. FOSECO INTERNATIONAL LIMITED, "Casting of Molten Ferrous Metal and Moulds for use Therein". (February 25th, 1986, GREAT BRITAIN).

The 11th February, 1987

93/Mas/87. THE LINCOLN ELECTIC COMPANY, High Penetration, High Speed, Agglomerated Welding Flux.

The 12th February, 1987

94/Mas/87. CENTRAL SERICULTURAL RESEARCH AND TRAINING INSTITUTE, A Process for preparing a silkworm Rearing Bed Disinfectant.

95/Mas/87. CENTRAL SERICULTURAL RESEARCH AND TRAINING INSTITUTE, A Process for Preparing an Ovicide.

The 13th February, 1987

96/Mas/87. ENICHEM FIBRE S.P.A., "Improvements in Methods for Producing in-line dyed acrylic Fibres".

97/Mas/87. ENICHEM FIBRE S.P.A. "Method for Treating Liquid Effluents Deriving From the In-Line Dyeing of Acrylic Fibres".

98/Mas/87. SMS SCHLOEMANN-SIEMAG AKTIENGESELLSCHAFT, Method and apparatus for continuously casting Metal.

99/Mas/87. MINNERSOTA MINING AND MANUFACTURING COMPANY, "Improved Bone Stapler".

100/Mas/87. BARR AND STROUD LIMITED, "An optical Range Simulator Device". (May 19th, 1983 U.K. and Divisional Patent Application No. 362/Mas/84).

ALTERATION OF DATE

159118. (866/Del/83) Ante dated to 23rd July, 1980.

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CLASS : 71 G 159111

Int. Cl. : E 02 f, 5/10.

METHOD AND APPARATUS FOR CONSTRUCTING A PROTECTED PIPELINE IN NON-COHESIVE GROUND".

Applicant : GEODIA, A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF FRANCE, OF 5 RUE D'HELIOPOLIS, PARIS, FRANCE.

Inventor : FRANCIS RAYMOND COUR.

Application for Patent No. 751/Del/1982 filed on 12th October, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

19 Claims

A method for constructing a protected pipeline within ground consisting of materials having poor cohesion which comprises excavating in said ground a trench within which said pipe is to be laid and simultaneously removing the excavated soil, continuously delivering to the excavated trench lengthwise thereof an expansible member, expanding said expansible member to provide deflatable means for supporting the walls of said excavated trench to prevent them collapsing, locating said pipe upon said deflatable means whereby said pipe by virtue of its own weight deflates said deflatable means and settles within said trench with said deflatable means in deflated form substantially enveloping said pipe and thereafter filling said trench by allowing the now unsupported walls to collapse.

Compl. speen. 28 pages. Drg. 4 sheets

CLASS : 113 C&D 159112

Int. Cl. : F 21 l 19/00.

AN IMPROVED HURRICANE LANTERN.

Applicant : MANOJ KUMAR PATARIYA, AN INDIAN NATIONAL OF 67, UDAL CHOWK, MAHOBA-210 427 (U.P.).

Inventor : MANOJ KUMAR PATARIYA.

Application for Patent No. 767/Del/82 filed on 21st October, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

12 Claims

A hurricane lantern comprising a body including a tank (T) for kerosene (K) at its top, at least two tubular members (P, P) extending downwardly from the tank and connected at their lower ends by a third tubular member (FT), a wick holder (TS) secured to a socket (SC) on the said third tubular member, a wick (W) made of strands of a porous non-combustible material disposed in the wick holder and means for lowering or raising the wick.

Compl. speen. 9 pages. Drg. 1 sheet

CLASS : 68 B. D 159113

Int. Cl. : H 01 b, 7/32.

APPARATUS FOR DETERMINING THE LOCATION OF A FAULT OCCURRING IN AN ELECTRIC POWER TRANSMISSION LINE.

Application : THE GENERAL ELECTRIC COMPANY, P.L.C. A BRITISH COMPANY OF 1 STANHOPE GATE, LONDON W1A 1EH, ENGLAND.

Inventors : ARTHUR WRIGHT & CHRSTOS CHRISTOPOULOS.

Application for Patent No. 794/Del/1982 filed on 30th October, 82.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

2 Claims

An apparatus for determining the location of a fault occurring in an electric power transmission line, comprising :

(i) detecting means connected to the line at a point adjacent to one end of the line for detecting a first disturbance in voltage and/or current in the line at said point resulting from occurrence of the fault,

(ii) comparison and processing means connected to said detecting means to compare at least one characteristic of each disturbance detected by said detecting means after the first disturbance with the or each characteristic predicted from values measured in the first disturbance and thereby to identify a reflected disturbance in voltage and/or current produced by reflection of the first disturbance from the said one end, or another point beyond said one end, to the fault and then from the fault back to said point.

(iii) timing means connected with said comparison and processing means for measuring the time taken for the identified reflected disturbance to travel from the said point to the fault and back to said point after reflection at the fault, and

(iv) further processing means connected to said timing means for calculating from said time measured by the timing means and a knowledge of the propagation velocity of the line the distance between the said point and the fault.

Compl. speen. 17 pages. Drg. 2 sheets

CLASS : 32 F 3(a) [IX(1)]

Int. Cl. : C 07 d—1/14.

PROCESS FOR RECOVERING ETHYLENE OXIDE FROM AQUEOUS SOLUTIONS.

Applicants : THE HALCON SD GROUP, INC., A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, HAVING ITS OFFICE AND PRINCIPAL PLACE OF BUSINESS AT 2 PARK AVENUE, NEW YORK, NEW YORK 10016 UNITED STATES OF AMERICA.

Inventors : VIJAY SARATCHANDRA BHISE AND ROBERT HOCH.

Application for Patent No. 804/Del/1982 filed on 3rd November 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

A process for recovering ethylene oxide from aqueous solutions wherein carbon dioxide at (near) super-critical conditions extracts ethylene oxide and thereafter the extracted ethylene oxide is separated from the carbon dioxide by distillation in any known manner at sub-critical conditions characterised in that comprises adding an amount of a gas or gases to said carbon dioxide sufficient to provide a critical temperature for the carbon dioxide-ethylene oxide-added gas mixture, at the top of a distillation column between 32°C and 75°C.

Compl. specn. 16 pages. Drg. 2 sheets

CLASS : 206E 159115

Int. Cl. : H 04 b 3/00.

DEVICE FOR THE REMOTE TRANSMISSION OF SIGNALS.

Applicant : CHARBONNAGES DE FRANCE, A FRENCH COMPANY OF 9 AVENUE PERCIER, F-75008 PARIS, FRANCE.

Inventors : MAURICE BOUTONNAT AND GERARD ROSE.

Application for Patent No. 810/Del/1982 filed on 4th November, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005

11 Claims

A device for the remote transmission of signals comprising at least one two-wire transmission line powered by alternating current, a transformer connected to each end of said transmission line, at least one sensor powered by each transmission line, a central data processing and control unit, at least one upstream modulator-demodulator connected between said central data processing and control unit and the transformer connected to one end of each transmission line and at least one downstream modulator-demodulator connected to the transformer connected to the other end of each transmission line, said downstream modulator-demodulator also being connected to each said sensor.

Compl. specn. 18 pages. Drg. 8 sheets

CLASS : 32E 159116

Int. Cl. : C 07 c 103/00 & C 08g 20/00.

A PROCESS FOR THE PREPARATION OF POLYCAPROAMIDE OR ITS COPOLYMERS.

Applicant : SIR PADAMOAT RESEARCH CENTRE, A DIVISION OF J.K., SYNTHEAICS LTD., JAYKAY-NAGAR, KOTA-324003, RAJASTHAN, INDIA.

Inventor : KESHAV VINAYAK DATYE, NARESH DUTT SHARMA AND RENGRAJ RAJAMOHAN.

Application for Patent No. 822/Del/1982 filed on 8th November, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

10 Claims

A process for the preparation of polycaproamide or its copolymers which comprises in preparing a reaction mixture, subjecting such a reaction mixture to the step of polymerization to obtain a polymer or copolymer characterized in that said reaction mixture consists of at least caprolactam, water, 6-amino caproic acid and an additive in a particulate form such as herein described, said 6-amino caproic acid being present in the amount of 2–25% by weight.

Compl. specn. 18 pages.

CLASS : 32 F 3(b) [IX(1)] 159117

Int. Cl. : C 01 b—31/24.

A PROCESS FOR PREPARING ALKYLENE CARBONATES.

Applicant : THE HALCON SD GROUP, INC., A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, HAVING ITS OFFICE AND PRINCIPAL PLACE OF BUSINESS AT 2 PARK AVENUE, NEW YORK, NEW YORK 10016, UNITED STATES OF AMERICA.

Inventors: ROBERT JOSEPH HARVEY AND HOWARD MARTIN SACHS.

Application for Patent No. 869/Del/1982 filed on 24th November 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

10 Claims

A process for preparing alkylene carbonate by the reaction of the corresponding alkylene oxide with carbon dioxide in the presence of an effective amount of catalyst and water, the improvement comprising carrying out said reaction at temperatures above 20°C with a molar ratio of carbon dioxide to alkylene oxide of at least 1/1, a water to alkylene oxide molar ratio greater than 0.01/1, and a carbon dioxide partial pressure sufficient to provide the selectivity to alkylene carbonate desired thereby controlling the selectivity to alkylene carbonate and suppressing formation of higher molecular weight glycols.

Compl. specn. 20 pages.

CLASS : $32F_2(6)$ 159118

Int. Cl. : C07d 5/00 63/00.

PROCESS FOR PREPARING OXIME OF 4-(5-SUBSTITUTED-2-FURYL-AND THIENYL PHENYLALKANOIC ACID.

Applicant : INDIAN DRUGS & PHARMACEUTICALS LTD., N-12, SOUTH EXTENSION-I, NEW DELHI-110049, INDIA, AN INDIAN UNDERTAKING.

Inventors : DILBAGH RAI SHRIDHAR, CHERUKURI VENKATA REDDI SASTRY KULBUSHAN LAL, OM PRAKASH BANSAL & SHYAM MURARI SONDHI.

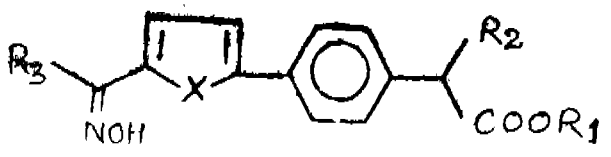
Application for Patent No. 866/Del/83 filed on 31st December, 1983, antidated to 23-7-1980.

Divisional to Patent application No. 270/Del/79 filed on 27-4-1979.

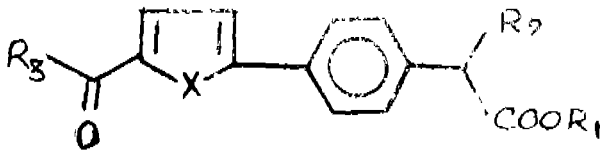
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

A process for the preparation of the oxime of 4-[formyl-(acyl)-2-furyl and thienyl] phenylalkanoic acids and having the formula 1.



wherein X is O or S, R_1 is H or lower alkyl group like 'Me' or an alkaline earth metal ion, or salts of the parent acids with the biologically acceptable organic bases like lysine, R_2 is H or lower alkyl group of 1 to 4 carbon atoms and R_3 is H or lower alkyl group of 1 to 4 carbon atoms or phenyl group or an optionally substituted phenyl group at ortho meta or para position(s) by halogen or by lower alkyl group of 1 to 4 carbon atoms, which comprises heating 4-[5-formyl(acyl)-2-furyl and thienyl] phenylalkanoic acid derivative of formula 2



Formula 1

wherein X, R_1, R_2 and R_3 are as defined before with hydroxylamine hydrochloride in presence of bases like sodium acetate or potassium hydroxide or sodium or potassium alkoxides.

Compl. specn. 8 pages. Drg. 1 sheet

CLASS : 32F 3(a) 159119

Int. Cl. : C 07 d 5/00 63/00.

PROCESS FOR PREPARING 4-(5-SUBSTITUTED-2-FURYL-AND THIENYL).

Applicant : INDIAN DRUGS & PHARMACEUTICALS LTD., N-12 SOUTH EXTENSION-I, NEW DELHI-110049, INDIA, AN INDIAN UNDERTAKING.

Inventors : DILBAGH RAI SHRIDHAR, CHERUKURI VENKATA REDDI SASTRY, KULBHUSHAN LAL, OM PRAKASH BANSAL AND SHYAM MURARI SONDHI

Application for Patent No. 270/Del/79 filed on 27th April, 1979.

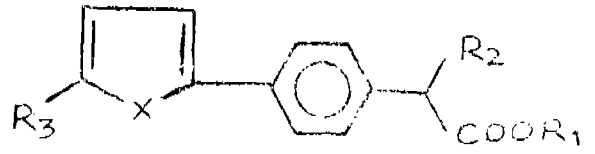
Application for Patent No. 481/Del/80 filed on 26th June, 1980.

The provisional specifications cognated and one complete specification left on 23rd July, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

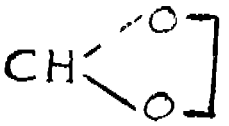
4 Claims

A process for preparing compounds of formula I



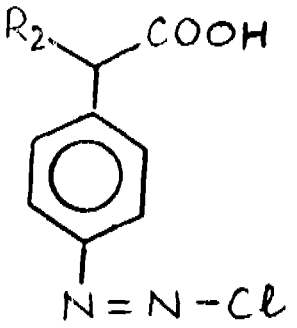
Formula 2

wherein X is O or S, R_1 is H or lower alkyl group like 'Me', R_2 is H or a lower alkyl of 1 to 4 carbon atoms, R_3 is '$-COR_4$' wherein R_4 represents H, lower alkyl of 1 to 4 carbon atoms, phenyl or an optionally substituted phenyl group, at ortho, meta and/or para position(s) by halogen or a lower alkyl group of one to four carbon atoms and being convertible along with CO to a Carboxylic acid group –COOH, an alcohol group $-CH_2OH$ or group of formula A



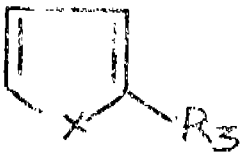
Formula A

in a conventional manner, which process comprises reacting a phenylalkanoic acid diaxonium salt of formula II



Formula II

wherein R_2 is as defined before with a compound of formula III



Formula III

wherein X and R_3 are as defined before, the reaction being carried out in the presence of $CuCl_2$. $2H_2O$ and if desired the 'H' in the 'COOH' group/s is/are converted to alkyl group 'Me' using CH_2N_2' as reagent in a conventional manner.

Provisional specn. 270/Del/79 7 pages. Drg. 1 sheet

Provisional specn. 481/Del/80 6 pages. Drg. 1 sheet

Compl. specn. 13 pages.

CLASS : 85-C & I 159120

Int. Cl. : F 27 b 9/12; F 27 d 3/12;

RAW MATERIALS CHARGING DEVICE FOR PREHEATING RAW MATERIALS IN THE PROCESS OF STEEL MAKING.

Applicant : NIPPON STEEL CORPORATION, OF 6-3, OHTEMACHI-2-CHOME, CHIYODA-KU, TOKYO, SAKA.

Inventors : 1. MASAHIKO SEKI, 2. HIROSHI NAKATANI, 3. SHOZO MINAMI, 4. KATSUYA KOGUMASAKA.

Application No. 163/Cal/84 filed March 6, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A raw materials charging device for preheating furnace comprising a main body of bucket for charging raw materials, wherein the improvement comprises :

an outer cylindrical member;

an inner cylindrical member being positioned coaxially and vertically movably in the outer cylindrical member, said both cylindrical member being located in the main body of the bucket coaxially therewith; and

a bottom plate of the main body of the bucket movable between a closed position and an open position.

Compl. specn. 14 pages. Drg. 7 sheets.

CLASS : 157-D$_8$ 159121

Int. Cl. E 01 b 31/00,

A TRAVELLING ARRANGEMENT FOR CORRECTING THE LEVEL AND CROSS-LEVEL OF A TRACK.

Applicant : FRANZ PLASSER BAHNBAUMASCHINEN-INDUSTRIEGESELLSCHAFT m.b.H. JOHANNESGASSE 3, VIENNA 1, AUSTRIA.

Inventors : 1. ING. JOSEF THEURER, 2. GERNOT BOCK.

Application No. 257/Cal/84 filed April 19, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A travelling arrangement for correcting the level and cross level of a track, more particularly for track tamping, levelling and lining machines, comprising a track lifting unit operable through a levelling control system and comprising separate lifting drives and track lifting tools for each rail and associated with the track lifting unit a levelling reference system which, for each rail, comprises a straight reference line extending longitudinally of the rail between a front feeler member supported on the uncorrected track and a rear feeler member supported on the already corrected track and also a level sensor which is supported on the rail behind the track lifting tools, determining its level relative to the reference line, and which controls the lifting drive associated with the rail, a mechanism, for example controllable through a pendulum, being associated with the levelling reference system for vertically adjusting the front ends of the reference lines in accordance with the difference between the actual and prescribed cross level values at the front feeler member, characterized in that a cross level gauge (46) designed to transmit correcting signals corresponding to any residual cross level errors is arranged on the rear feeler member (30) and is connected by the levelling control system (14) to the level sensors (33) and to the lifting drives (23) of the track lifting unit (22).

Compl. specn. 24 pages. Drg. 1 sheet

CLASS : 116-D 159122

Int. Cl. : B 65 g 67/30, 67/42; B 66 f 9/12, 9/14, 9/16, 7/22.

REAR DUMP TRUCK WITH SIEVING DEVICE.

Applicant & Inventor : SHIN SUMINO, OF SUKAI-HAITSU TOKAI 2310, 1-13 TOMIYACHO, KANAGAWA-KU, YOKOHAMA-SHI, KANAGAWA-KEN, JAPAN.

Application No. 270/Cal/84 filed in April 24, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A rear dump truck comprising :

a tiltable load box comprising a floor, a front vertical plate and a pair of side vertical plates enclosing three sides of said floor and rear dump door means attached to the remaining side of said floor so as to be opened and closed and lockable in a closed position;

a partition dump door having the ends of an upper part thereof pivotably attached to said box side vertical plate centrally in said box so as to define a gap between a lower edge portion thereof and said floor and divide said box into a front section and a rear section;

wire sieve means horizontally extended at an intermediate height position within said box rear section;

a undersize load chamber forming a part of said box below said wire sieve means and having a rear thereof closed by said rear dump door means adapted to be opened and closed and lockable in a closed position; and

a stopper mounted on a front part of said floor at a position just before said partition dump door in said box and tiltable by a hydraulic jack, the height of said stopper in a tilt-up position being lower than said side vertical plates of said box.

Compl. specn. 13 pages. Drg. 1 sheet

CLASS : 56-G 159123

Int. Cl. : C 07 c 17/10, 21/04.

METHOD OF SEPARATING HYDROGEN CHLORIDE FROM A POST-REACTION MIXTURE DERIVED FROM THE HIGH TEMPERATURE CHLORINATION OF PROPYLENE TO ALLYL CHLORIDE.

Applicant : INSTYTUT CIEZKIEJ SYNTEZY ORGANICZNEJ BLACHOWNIA, OF KEDZIERZYN-KOZLE, POLAND.

Inventors : 1. WLADYS LAW MADEJ, 2. MARIAN SPADLO, 3. ZOFIA POKORSKA, 4. JERZY WASILEWSKI, 5. MANFRED STAJSZCZYK, 6. GRZEGORZ LEWANDOWSKI, 7. EUGENIUSZ WOJCIK, 8. MAREK GOMULAK.

Application No. 334/Cal/84 filed in May 14, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A method of separating hydrogen chloride from the products formed during high-temperature chlorination of propylene to allyl chloride, by rectification in a column operating with a reflex produced by the compression of vapours from a column of turbocompressor, said vapours being then condensed, which method consists in that 0.05–2% of a compressed stream is removed from the lower portion of each turbocompressor chamber into a gas-liquid separator, from which the gas is recycled to the suction side of said compressor, and the liquid after reaching the concentration of hydrogen chloride of at least 98% by volume in said reflux is withdrawn from the system of separating said hydrogen chloride.

Compl. specn. 8 pages. Drg. Nil.

CLASS : 61-A 159124

Int. Cl. : F 26 b 9/00.

DEVICE FOR DRYING ORGANIC SOLIDS OF HI WATER CONTENT.

Applicant : VOEST-ALPINE AKTIENGESELLSCHAFT, OF A-1011 VIENNA, FRIEDRICHSTRASSE 4, AUSTRIA.

Inventors : 1. HERMANN HACKER, 2. PAVLE IVANOVSKI, 3. PETER HERBER.

Application No. 372/Cal/84 filed in May 29, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

Device for drying organic solids of high water content particularly brown coals, with at least two dampers (2) resistant to pressure, at least two attached vessels (8) and conduits for supply and exhaust of stream and overflow lines (7) with shutoff device between attached vessels (8) and dampers (2), characterized in that the overflow lines (7) with shutoff device have their source in the vapour space of the attached vessels (8) between attached vessels (8) and dampers (2).

Compl. specn. 8 pages. Drg. 2 sheets

CLASS : 39-G 159125

Int. Cl. : C 01 f 7/50.

PROCESS OF PRODUCING ALUMINIUM FLUORIDE.

Applicants : (1) METALLGESELLSCHAFT AG, OF REUTERWEG 14, D 6000 FRANKFURT AM MAIN 1; (2) VEREINIGTE ALUMINIUM WERKE AG, OF GEORG-VON-BOESELAGERSTRASSE 25, D 5300 BONN 1; (3) KAISER ALUMINUM & CHEMICAL CORP. OF OAKLAND, CALIFORNIA 94643, 300 LAKESIDE DRIVE, UNITED STATES OF AMERICA.

Inventors : 1. HARALD SAUER, 2. JOHN N. ANDERSEN, 3. FRITZ KAMPF, 4. HUBERT BINGS.

Application No. 442/Cal/84 filed June 25, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A process of producing aluminum fluoride from aluminum hydroxide or alumina hydrate and hydrogen fluoride in a circulating fluidized bed system including a fluidized bed reactor, a cyclone separator and a recycling line, characterized in that partly reacted aluminum hydroxide circulated in a cooling cycle is added to fresh aluminum hydroxide or alumina hydrate in a first stage, in which the aluminum hydroxide is contacted with the hydrogen fluoride-containing exhaust gases from the circulating fluidized bed system so as to form a gas-solids suspension at a temperature of 150 to 250°C, whereafter the solids are collected solids are passed through a cooler, cooled solids are recontacted with fresh aluminum hydroxide or alumina hydrate, and a partial stream of the collected solids is supplied to the circulating fluidized bed system and is reacted therein at a temperature of at least 450°C with hydrogen fluoride supplied in the form of a gas in a concentration up to 25 vol.%

Compl. specn. 16 pages. Drg. 1 sheet.

CLASS : 32-F_2 b + 55-E_2 + E_4 159126

Int. Cl. : C 01 d 99/24.

PROCESS FOR THE PREPARATION OF CEPHALOSPORINS.

Applicant : TOYAMA CHEMICAL CO., LTD., OF 2–5, 3-CHOME, NISHISHIN-JUKU, SHINJUKU-KU, TOKYO 160, JAPAN.

Inventors : 1. HIROSHI SADAKI, 2. HIROKAZU NARITA, 3. HIROYUKI IMAIZUMI, 4. YOSHINORI KONISHI, 5. TAKIHIRO INABA, 6. TATSUO HIRAKAWA, 7. HIDEO TAKI, 8. MASARU TAI, 9. YASUO WATANABE, 10. ISAMU SAIKAWA.

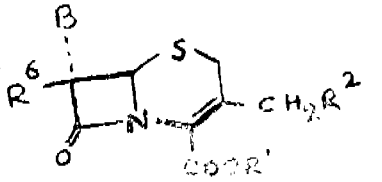
Application No. 603/Cal/84 filed in August 29, 1984.

Device for drying organic solids of high water content September 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

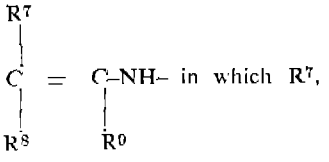
9 Claims

A process for producing a 7-(substituted or unsubstituted amino)-3-substituted methyl-△3-cephem-4-carboxylic acid represented by the general formula (I) of the accompanying drawings

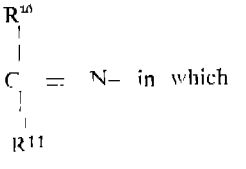


Formula I

or a salt thereof wherein R^1 represents a hydrogen atom or a carboxyl-protecting group as herein described; R^2 represents a substituted or unsubstituted triazolyl or tetrazolyl group attached to the exomethylene group at the 3-position of the cephem ring through a carbon-nitrogen bond; R^6 represents an amino group, a group of the formula

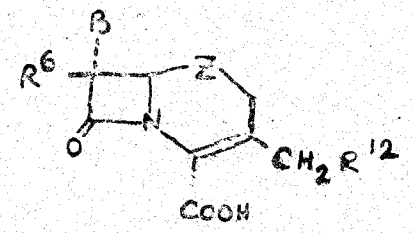


R^8 and R^9, which may be identical or different, represent hydrogen atoms or organic residues not participating in the reaction as herein described, or a group of the formula,



R^{10} and R^{11}, which may be identical or different, represent hydrogen atoms or organic residues not participating in the reaction as herein described and B represents a hydrogen atom or a lower alkoxy group, which comprises reacting

a cephalosporanic acid represented by the formula (II) of the accompanying drawings



Formula II

or its derivatives in the carboxyl group which may be protected or a salt thereof wherein R^6 and B have the same meanings as defined above; R^{12} represents a substituted or unsubstituted acyloxy or carbamoyloxy group and Z represents S or S→0, with a substituted or unsubstituted triazole or tetrazole in an organic solvent in the presence of acid compound selected from an acid or a complex compound of the acid and then, if desired, removing the protecting group if any protecting the carboxyl group, the salt being produced in a conventional manner.

Compl. specn. 60 pages. Drg. 17 sheets

CLASS : 83-A_1 159127

Int. Cl. : A 21 d 8/00.

A METHOD FOR MANUFACTURING FLAVOUR CHIP-CONTAINING FLOUR-BASED BAKED PRODUCTS HAVING A STABLE, SOFT CHIP TEXTURE AFTER BAKING.

Applicant : NABISCO BRANDS, INC., AT 15 RIVER ROAD, WILTON, CONNECTICUT 06897, UNITED STATES OF AMERICA.

Inventors : 1. PETER MICHAEL BOSCO, 2. MICHAEL MARION CHRYSAM, 3. TURIDDU ARVANGELO PELLOSO.

Application No. 617/Cal/84 filed in September 6, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A method for manufacturing flavor chip-containing flour-based baked products having a stable, soft chip texture after baking, comprising the steps of :

(a) preparing a bakeable dough or batter comprising an admixture of substantially solid flavor chips as herein described, a sugar camponent as herein described, flour, water and a shortening component comprising about 20% to about 50% by weight of a shortening which is fluid at temperatures above about 15°C in admixture with a shortening which is solid at the temperature at which said flavor chip-containing baked product is stored, said dough or batter being substantially free of emulsifier;

(b) baking said dough or batter at temperatures from 125°C to 260°C to produce a baked chip-containing product; and

(c) thereafter maintaining the baked product at a temperature in the range of from 25°C to 50°C for a period of time in the range of from 3 to 30 days.

Compl. specn. 19 pages. Drg. Nil

2—517GI/86

CLASS : 83-A_1 159128

Int. Cl. : A 21 d 80/00.

A PROCESS FOR PREPARING A BAKEABLE COMPOSITE DOUGH AND A BAKED FLOUR-BASED PRODUCT THEREFROM.

Applicant : NABISCO BRANDS, INC., AT 15 RIVER ROAD, WILTON, CONNECTICUT 06897, UNITED STATES OF AMERICA.

Inventor : 1. JOHN ANTHONY MASELLI.

Application No. 618/Cal/84 filed in September 6, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A process for preparing a bakeable composite dough and a baked flour-based product therefrom having discrete storage-stable regions of crumb having a crispy texture and discrete storage-stable regions of crumb having a chewy texture, said process comprising the steps of :

(a) preparing a first dough, bakeable to a crispy crumb structure by mixing flour, shortening, water and sugar;

(b) preparing a second dough, bakeable to a chewy, moist crumb structure having a pH of about 6.0 to about 7.5 by mixing as ingredients of said second dough at least flour, pregelatinised starch in a weight ratio to flour of about 1 : 1 to about 1 : 10, shortening, water, and an amount of an alpha amylase enzyme sufficient to provide the equivalent of about 12 to about 2000 SK's of said enzyme per 100 grams of total starch in said second dough, wherein at least one ingredient of the second dough is acted upon by the enzyme during baking to provide in the baked second dough an amount of a crystallization-resistant sugar effective to bind water and to inhibit the crystallization of any readily-crystallizable sugar present in the second dough;

(c) forming a composite dough by surrounding or sandwiching the second dough within or between the first dough so that no surface of the second dough is in direct contact with a heated baking surface or directly exposed to a heated atmosphere during baking; and

(d) baking said composite dough to provide a final baked product in which there is present, after equilibration of moisture therein, discrete regions of crumb contributed by said first dough having a crispy texture and regions of crumb contributed by said second dough having a moist, chewy texture.

Compl. specn. 27 pages. Drg. Nil.

CLASS : 83-A_1 159129

Int. Cl. : A 21 d 8/00.

A METHOD OF PREPARING BAKED PRODUCTS EXHIBITING STABLE PROPERTIES CHARACTERISTIC OF FRESHLY BAKED PRODUCTS.

Applicant : NABISCO BRANDS, INC., AT 15 RIVER ROAD, WILTON, CONNECTICUT 06897, UNITED STATES OF AMERICA.

Inventor : 1. JOHN A. MASELLI.

Application No. 619/Cal/84 filed September 6, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

A method for preparing a substantially crumb-continuous, flour-based bakeable dough and baked product therefrom having discrete storage-stable regions of crumb having a chewy texture, said method comprising the steps of :

(a) preparing by mixing water, flour, shortening and sugar optionally an enzyme as herein described, a dough or batter bakeable to a chewy crumb structure; and

(b) coating or spraying at least a portion of said dough or batter on the outside or inside through penetration on same with an amount of a solution of a readily-crystallizable sugar as herein described, sufficient to provide a region in said dough or batter bakeable to a crispy crumb texture; and when desired.

(c) baking said partially impregnated dough to a final baked product in which there is present, after equilibration of the moisture therein, discrete regions of crumb contributed by said impregnated portions having a crispy texture, and regions of crumb having a chewy texture.

Compl. specn. 29 pages. Drg. Nil

CLASS : 70-A & B 159130

Int. Cl. : B 01 k 3/00.

ELECTROLYSIS CELL OF THE FILTER-PRESS TYPE.

Applicant : UHDE GMBH. OF DEGGINGSTR. 10-12, 4600 DORTMUND 1, WEST GERMANY.

Inventors : 1. HELMUT SCHMITT. 2. HELMUTH SCHURIG, 3. DR. WOLFGANG STREWE.

Application No. 662/Cal/83 filed May 25, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

Electrolysis cell of the filter press type with

(a) one or more plate-type electrode pair(s) each comprising at least one non-continuous active central part,

(b) a membrance provided for between the electrode pair(s),

(c) a seal installed between at least one electrode of each pair and one membrane rim, characterized in that

(d) the non-continuous central part of the electrodes has a grid-type structure,

(e) the grid rods of the electrode pair(s) are staggered by a maximum of half the rod width,

(f) the grid rods of the electrodes are arranged so that their interspace is smaller than the projection of their width,

(g) the grid rods have a convex face at least on the active side,

(h) the thickness of the seal between the electrode and membrane rim is equal or inferior to double the height of the grid rod portion protruding over the electrode rim.

Compl. specn. 8 pages, Drg. 4 sheets

CLASS : 40-B 159131

Int. Cl. : B 01 j 11/50.

A METHOD FOR PREPARING A CATALYST BASED ON GAMMA ALUMINA STABILIZED BY SILICA.

Applicant : SNAMPROGETTI S.p.A., OF CORSO VENEZIA, 16, MILAN, ITALY.

Inventors : 1. ORFEO FORLANI, 2. FRANCESCO ANCILLOTTI, 3. BRUNO NOTARI.

Application No. 671/Cal/84 filed May 27, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A method for preparing a catalyst based on gamma alumina stabilized by silica having the general empirical formula

$$a\ Al_2O_3 \cdot b\ SiO_2 \cdot c\ Me_xO_y$$

where Me_xO_y is the oxide of one or more of the metals of Group IIA and/or VIII and/or IIIB and and/or lanthanides, and a, b, c are the number of moles of Al_2O_3, SiO_2 and Me_xO_y respectively, b and c being related by the relationship

$$C \geq m.b + B$$

where B has a value greater than or equal to 0.01, b has a value between 0.020 and 0.250, the ratio $(b + c)/a$ lies between 0.01 and 9.0, and m is a number between 0.7 and 0.1 wherein gamma-alumina stabilized by silica is impregnated with aqueous solutions of salts of the metals of Groups IIA and/or VIII and/or IIIB and/or lanthanides, preferably aqueous solutions of nitrates or acetates in appropriate amounts, the impregnated material is then dried and calcined as herein described.

Compl. Specn. 15 pages. Drg. 2 sheets.

CLASS : 32-F_2 c; 40-F 159132

Int. Cl. : B 01 d 19/00; C 07 c 127/00.

PROCESS FOR THE DISPLACEMENT FROM THE LIQUID TO THE GASEOUS PHASE, OF THE EXCESS OF NH_3 CONTAINED IN AQUEOUS SOLUTIONS OF UREA.

Applicant : MONTEDISON S.p.A., OF 31, FORO BUONAPARTE, MILANO, ITALY.

Inventor : 1. GIORGIO PAGANI.

Application No. 726/Cal/83 filed June 8, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A process for the displacement, from the liquid to the gaseous phase, at pressures from 80 to 250 kg/cm^2, of the excess of NH_3 contained in aqueous urea solutions having a temperature from 150 to 230°C and coming from a former stripping (isobaric with the synthesis of urea from NH_3 and CO_2), said former stripping being performed in the presence of NH_3, wherein said solutions contain also CO_2 (as ammonium carbamate), the CO (as ammonium carbamate), the CO_2 amount being equal to or lower than 25% b.w., with respect to urea, and wherein said displacement is performed by means of a stripping in countercurrent with a CO_2 stream, in a falling-film heat-exchanger containing a tube bundle (CO_2 stripper), isobaric too with said synthesis, the amount of ammonium carbamate in the solution leaving the bottom of said CO_2 stripper being substantially equal to the amount of ammonium carbamate in

the solution enter in the same stripper, characterized in that :

(a) the global NH_3 : CO_2 weight ratio, in the solution fed to the CO_2 stripper, is from 2 to 8;

(b) heat is substantially supplied only to the uppermost portion of the tubes of the CO_2 stripper, wherein the ratio between the surface of the lowermost portion and the surface of the uppermost portion of the tubes is at least 1 : 1 and wherein the ratio between the residence time of the solution to be stripped in said lower most portion and the residence time in said uppermost portion is at least 1 : 1, said residence time in the lower most most portion of the tubes being at least 3 seconds and said residence time in the uppermost portion being at the most 3 s.

Compl. specn. 14 pages. Drg. 1 sheet

CLASS : 98-I 159133

Int. Cl. : F 24 j 3/02.

APPARATUS FOR AUTOMATICALLY DIRECTING SOLAR RADIATION FOCUSED BY A REFLECTOR AND A SOLAR POWER PLANT COMPRISING SUCH APPARATUS.

Applicant : ATLANTIS ENERGIE AG., OF THUNSTRASSE 8, 3000 BERN 6 (CANTON OF BERNE), SWITZERLAND.

Inventors : 1. HERNAN POSNANSKY, 2. MARIO POSNANSKY.

Application No. 920/Cal/83 filed July 22, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

Apparatus for automatically directing solar radiation focused by a reflector onto a stationary collector, having an electric motor for driving the adjusting mechanism of the reflector, comprising at least two solar cells to be fixed to the collector, wherein the solar cells are connected in parallel in such a way that upon irridiation of the solar cells with focused solar radiation, the electric voltages produced counteract one another, and wherein the parallel connection is connected to the winding of the electric motor.

Compl. specn. 7 pages. Drg. 2 sheets

CLASS : 12-C 159134

Int. Cl. : C 21 d 1/00.

METHOD FOR THE MANUFACTURE OF HEAT TREATED WORKPIECES.

Applicant : RUHRGAS AKTIENGESELLSCHAFT, HUTTROPSTRASSE 60, D-4300 ESSEN 1, WEST GERMANY.

Inventor : 1. DR. FRIEDHELM KUHN.

Application No. 1013/Cal/83 filed August 17, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A method for the manufacture of heat treated workpieces, containing the following steps :

Heating of the workpieces in a heating apparatus to an elevated temperature,

Unloading of the workpieces from the heating apparatus for further treatment, and

Quenching of the workpieces coming from the heating apparatus to a temperature decidedly lower than the elevated temperature,

the said quenching step containing :

Placement of the workpieces for quenching into a fluidized bed which is produced by at least one gas stream guided in a main flow direction, a fluidized bed medium being used which has a higher thermal conductivity than the material of the workpieces being quenched,

Movement of the workpieces during quenching relative to the gas stream producing the fluidized bed, while individual, pulsed gas jets are injected into the fluidized bed at substantially right angles to the main direction of flow of the gas stream, and

Holding the fluidized bed at a substantially constant temperature during the treatment of the workpieces in the fluidized bed.

Compl. specn. 10 pages. Drg. Nil

CLASS : 129-G 159135

Int. Cl. : B 23 q 5/00.

LINEAR DRIVE WITH TWO MOTORS OR ENGINES.

Applicant : LARS INTERNATIONAL S.A., LUXEMBOURG, OF 25, RUE MOTRE DAME, LUXEMBURG.

Inventor : 1. HANS FICKLER.

Application No. 1036/Cal/83 filed August 24, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

Linear drive with two motors in which one motor drives a nut and the other motor drives a screw, characterized in that the motors (M_1, M_2) are fitted to the outer end (11, 21) of two tubular casing parts (1, 2), which are telescopically displaceable within one another and are prevented from rotating about their axis, and that the nuts (31) and screws (4) are arranged within these casing parts.

Compl. specn. 13 pages. Drg. 2 sheets

CLASS : 50-D, E & F 159136

Int. Cl. : F 25 b 33/00, 41/00.

A SHELL AND TUBE HEAT EXCHANGER.

Applicant : CARRIER CORPORATION, AT P.O. BOX 4800, SYRACUSE, NEW YORK, 13221, UNITED STATES OF AMERICA.

Inventor : 1. EDWARD ALIEN HUENNIGER.

Application No. 1081/Cal/83 filed September 5, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

Shell and tube heat exchanger having a tube sheet at one end of the heat exchanger for supporting heat exchange tubes which extend through the tube sheet and a waterbox comprising :

a wall memebr attached to the tube sheet to surround a selected area on the said tube sheet which includes the area through which the heat exchange tubes extend;

a top member attached to the wall member, to form an enclosure at the end of the heat exchanger;

a first nozzle located in the top member for forming an opening in the top member which communicates with the enclosure;

characterized in that the waterbox top member has an access opening which projects onto the area on the tube sheet through which the heat exchange tubes extend, that the first nozzle in the top member projects onto an area on the tube sheet through which no heat exchange tubes extend, and that a removable cover closes the access opening in the top member.

Compl. specn. 15 pages. Drg. 3 sheets

CLASS : 63-E 159137

Int. Cl. : H 02 k 9/197.

A COOLING DEVICE FOR A HERMETIC MOTOR-COMPRESSOR UNIT.

Applicant : TECUMSEH PRODUCTS COMPANY, OF 100 EAST PATTERSON STREET, TECUMSEH, MICHIGAN 49286, UNITED STATES OF AMERICA.

Inventor : 1. KENNARD LOWELL WISE.

Application No. 1177/Cal/83 filed September 26, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

In a hermetic motor-compressor unit including an outer housing, having a lubricant sump in the bottom thereof, a rotatable crankshaft vertically disposed in said housing; and a motor having a stator circumferentially disposed about said rotating crankshaft and a rotor connected to said rotating crankshaft for rotation thereof, a cooling device comprising :

a centrifugal lubricant pick-up tube having one end connected to said rotating crankshaft for rotation therewith and its opposite end extending vertically into said lubricant sump, said pick-up tube having an axial bore extending upwardly therein from said opposite end,

said stator having lower end turns extending downwardly in said outer housing, said lower end turns having their radially inner surfaces in radially adjacent and spaced-apart relationship with said pick-up tube, characterized by :—

said pick-up tube having a radial passrage means therein in communication with said axial bore and in direct facing relationship with said stator lower end turns for throwing a portion of lubricant pumped upwardly through said axial bore radially outwardly therethrough and directly against said radially inner surfaces of said lower end turns for the cooling thereof prior to contacting any other portions of said motor.

Compl. specn. 11 pages. Drg 1 sheet

CLASS : 80-K 159138

Int. Cl. : B 01 d 35/00.

TUBULAR-FILTER DEVICE WITH COMPRESSED-AIR CLEANOUT.

Applicant : VENTILATORENFABRIK OELDE GmbH, OF ROBERT-SCHUMANN-RING 21, 4740 OELDE 1, WEST GERMANY.

Inventor : 1. ROLF HEINZ KREFT.

Application No. 1357/Cal/83 filed November 3, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

In a tubular-filter device with compressed-air cleanout having a tube-acceptor plate with insertion openings in the top thereof and a tubular filter for each opening having a resilient band around the top thereof for fastening same in the opening, the improvement comprising :

a support basket in each filter having an upper radially sectioned ring;

a filter-pot cover having a portion extending into the top of the tubular filter and support basket;

means attaching the filter pot cover to the top of the tube-acceptor plate; and

means disposed on the portion of the filter-pot cover that extends into the support basket and cooperative with the radially sectioned ring of the support basket for forming a snap attachment axially securing the upper ring of the support basket to the filter-pot cover.

Compl. specn. 7 pages. Drg. 3 sheets

CLASS : 119F$_8$ 159139

Int. Cl. : D03d 13/00.

WRAP AND WEFT WEAVING MACHINES.

Applicant : VALENTIN SITJAS VILARGUNTE, A SPANISH CITIZEN OF PASEP RAMON VALL, 49–51, NAVAS, BARCELONA, SPAIN.

Inventor : VILENTIN SITJAS VILARGUNTE.

Application for Patent No. 549/Del/1981 filed on 26th August, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

14 Claims

A wrap and weft weaving machine which comprises :

means for providing a wrap of parallel threads;

means for holding the formed woven fabric;

and least one continuous row of heddles disposed between these two means and actuable in turn from an inlet end of the row to an outlet and thereof to form a continuous shed which moves between said two ends;

weft-inserting means a continuous row of drive plates, which plates are adapted to form across the shed, a supporting guide for the weft-inserting means;

means for sending undulations along the row of said drive plates for moving the weft-inserting means across the continuous shed in synchronism therewith from said inlet end to said outlet end so as to tension the weft threads;

at least one inserting means loading station adapted to load onto each said inserting means a measured length of said weft thread corresponding to the consumption of thread for forming a weft pass; and

means for moving the weft-inserting means between the outlet end of the shed and its inlet end, said means extending along a path in which is located said at least one loading station, said means for moving said weft-inserting means including means for positively supporting said weft-inserting means along said path between the outlet and inlet ends of the shed and for positively supporting said weft-inserting means as the latter are transferred from said outlet end of said shed to said moving means and from said moving means into said inlet end of said shed.

Compl. specn. 26 pages. Drg. 8 sheets

CLASS : 107 G. and 6 (B) 3 159140

Int. Cl. : F 02 M 25/04.

A SECONDARY FILTER FOR USE IN A FILTRATION SYSTEM OF A DIESEL ENGINE.

Applicant : PUROLATOR INDIA LIMITED, 1 SRI AUROBINDO MARG, NEW DELHI-110016, INDIA, AN INDIAN COMPANY.

Inventor : KRISHNA KUMAR SHESHADRI.

Application for Patent No. 11/Del/83 filed on 11th January, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3 Claims

A secondary filter insert for use in a filtration system of a diesel engine comprising an annular filter element pack of impregnated filter paper formed into a plurality of pleats, a perforated centre tube disposed coaxially within said element pack, a perforated outer wrapper for said element pack and an end plate held to either ends of said element pack characterized in that said end plates consist of a thermosetting plastic compound secured directly to the said centre tube, outer cover and a element pack, annular grooves being provided in each of said end plates, for compensating any shrinkage upon curing of said end plates.

Compl. specn. 8 pages. Drg. 1 sheet

CLASS : 107 I C & G & $6B_{(3)}$ 159141

Int. Cl. F 02m 35/02.

A FILTER INSERT FOR USE WITH DIESEL ENGINES.

Applicant : PUROLATOR INDIA LIMITED, 1 SRI AUROBINDO MARG, NEW DELHI-110016, INDIA, AN INDIAN COMPANY.

Inventor : KRISHNA KUMAR SESHADRI.

Application for Patent No. 12/Del/1983 filed on 11th January, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3 Claims

A filter insert for use with diesel engines comprising a primary and secondary filtration member disposed between end caps, said primary and secondary filtration members being impregnated filter papers formed into a plurality pleats, a perforated coaxial tube secured at either ends to said end caps, said secondary filtration member forming the inner member mounted and supported on said coaxial tube, said primary filtration member being mounted around and supported on said secondary filtration member and forming the outer member, an outer perforated wrapper embracing said primary filtration member on its outer surface, said secondary filtration member being adapted to cause a secondary filtration, said primary filtration member being adapted to cause a primary filtration.

Compl. specn. 7 pages. Drg. 1 sheet

CLASS : $68E_1$ & 160C 159142

Int. Class : G05f 3/00.

A VEHICLE AND LAMP CIRCUIT.

Applicant : ISAAC NEWTON AND GEORGE STEPHEN, BOTH INDIAN NATIONALS OF 15, DDA MARKET, ZAMRUDPUR COMPLEX, KAILASH COLONY EXTENSION, NEW DELHI-110048, INDIA.

Inventor : ISAAC NEWTON AND GEORGE STEPHEN.

Application for Patent No. 14/Del/1983 filed on 11th January 1983.

Complete specification left on 4th March, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

2 Claims

A vehicle head lamp circuit comprising a magneto one terminal of which is earthed while the other terminal is connected to one terminal of the head lamp through a switch and a first condenser, the other terminal of the head lamp being earthed, and a second condenser connected on one side to the said first condenser and the said first terminal of the head lamp and on the other side to the earth, the magneto, the switch and the first condenser forming one limb of a parallel circuit and the second condenser forming the other limb of the parallel circuit.

Provisional specn. 6 pages.

Compl. specn. 7 pages. Drg. One sheet

CLASS : $42 A_4$ 159143

Int. Cl. : A 24 c, 5/12.

A CUTTING DEVICE FOR CONTINUOUS RODS OF CIGARETTE.

Applicant: G. D. SOCIETA' PER AZIONI, OF VIA POMPONIA, 10 40100 BOLOGNA, ITALY, AN ITALIAN COMPANY.

Inventors : ENZO SERAGNOLI & RICCARDO MATTEI.

Application for Patent No. 35/Del/1983 filed on 19th January, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

A device for cutting continuous rods of cigarette comprising a substantially cylindrical cutting head mounted rotatably about its axis on a support body, a drive shaft extending through the support body and connected to rotate the head by means of a coupling arranged coaxially with the cutting head, at least one flexible blade mounted in a substantially radial manner on the head, and advancement means operable to cooperate with the blade to cause progressive extension thereof from the head, the head further including within it a magazine for the blade, the magazine being constituted at least in part by a guide which extends from one side to the other of the head and which includes an intermediate curved portion passing around the coupling, the advancement means including a shaft incrementally rotatable about its axis, and roller means and counter-roller means disposed on opposite sides of the blade and tangentially thereto, the roller means being coupled to the shaft by means of a coupling of the worm wheel and worm gear type and the counter-roller means including a shaft mounted in an angularly fixed position and transversely movable with respect to the blade and carrying keyed thereto two bearings tangential to the blade, the blade having, along an end edge opposite to a cutting edge at an end projecting from the head, a notch allowing the passage of locking means for preventing the advancement of the blade itself.

Compl. specn. 12 pages. Drg. 3 sheets

CLASS : 131 C 159144

Int. Cl. : E 21 d, 23/00.

MINE ROOF ANCHOR ASSEMBLY.

Applicant : BIRMINGHAM BOLT COMPANY, OF P.O. BOX 1208, BIRMINGHAM, ALABAMA 35201, UNITED STATES OF AMERICA, AND JIM WALTER RESOURCES INC., OF 3500—35TH AVENUE NORTH, BIRMINGHAM, ALABAMA 35202, UNITED STATES OF AMERICA.

Inventors : CLAUDE CARLOS WHITE & FREDERICK CARR.

Application for Patent No. 41/Del/1983 filed on 21st January, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

17 Claims

A mine roof anchor assembly, for cooperation with a dual compartment resin and catalyst cartridge in a mine roof opening comprising an elongate bolt having a head at one end and being threaded for a portion of its length at the other end; a resin and catalyst mixing and securing member engaged with the threaded end of the bolt; an expansion member mounted on said elongate bolt subjacent said mixing and securing member, whereby insertion of said mixing and securing member into said mine roof opening causes rupturing of the resin and catalyst cartridge contained therein, thereby permitting resin and catalyst cartridge contained therein thereby permitting resin and catalyst to gravitate downwardly between a wall of the opening and said mixing and securing member, and further including means on said elongate bolt for activating said expansion member move the same into gripping engagement with the mine roof after the resin and catalyst have been mixed by rotating said elongate bolt a predetermined number of revolutions.

Compl. specn. 20 pages. Drg. 3 sheets

CLASS : 40F & 80G 159145

Int. Cl. : B 01d 29/42.

A METHOD AND A DEVICE FOR SEPARATING PHASES FOR RIGID MULTIPHASES MATERIALS.

Applicant : GWENOLE LE JEUNE, OF RUE DU VIGNOBLE 444450 ST JULIEN DE CONCELLES, FRANCE, A FRENCH CITIZEN.

Inventor : GWENOLE LE JEUNE.

Application for Patent No. 203/Del/83 filed on 30th March, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

20 Claims

A method for separating the liquid phase from the solid phase of rigid multiphase materials such as bituminous schists, domestic waste and vegetables, characterised in that the materials are subjected to at least one compression operation at a pressure of at least 500 bars, the compression being effected in at least a first longitudinal chamber having orifices adapted to let pass the fluid materials, pressure being applied at an inlet end by a piston operated by a hydraulic jack, the volume of the chamber exceeding the volume swept out by the piston so that the compressed ma- remains in the chamber during at least two, and preferably five strokes of the piston, the other end of the chamber being equipped with an extraction and metering system conditioned by the pressure in the jack so as to maintain a minimum pressure in the chamber, even during the return stroke of the piston.

Compl. specn. 26 pages. Drg. 3 sheets

CLASS : 32 f 3(c) 159146

Int. Cl. : C 07 c. 169/00.

A PROCESS FOR THE PREPARATION OF ESTRIOL 3-0-CARBOXYMETHYL ENTHERGLUCOSE 6-PHOSPHATE DEHYDROGENASE ENZYME CONJUGATES.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor : MRIDUL GHOSH, BIMAL KUMAR BACHHAWAT, TARUN DHAR & ESAHAK ALI.

Application for Patent No. 207/Del/83 filed on 31st March, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

A process for the preparation of estroil glucose-6-phosphate dehydrogenase conjugate comprising reacting N-hydroxysuccinimide and dicyclohexyl carbodimide with estriol-3-carboxymethyl ether in the presence of anhydrous organic solvent and further reacting the reaction mixture with glucose-6-phosphate dehydrogenase and the enzyme conjugate formed is separated from the reaction mixture by chromatography and lyophillized.

Compl. specn. 7 pages. Drg. 1 sheet

CLASS : 55 E. 159147

Int. Cl. : A 61 k 27/06.

A PROCESS FOR THE PREPARATION OF MODIFIED CLAYS TO BE USED AS ACTIVE INGREDIENTS IN MEDICAMENTS.

Applicant : SOCIETE DE CONSEILS DE RECHERCHES ET D' APPLICATIONS SCIENTIFIQUES FRENCH COMPANY OF 264 RUE DU FAUBOURG SAINT HONORE 75008 PARIS, FRANCE.

Inventors : JEAN CLAUDE PLANTEFEVE & RENT MICHEL.

Application for Patent No. 237/Del/83 filed on 8th April, 1983.

Convention date April 29, 1982/8212448/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

2 Claims

A process for the preparation of modified clays comprising a sheet-silicate clay having a plate separation of from 1.5 to 1.6 nm, a cation exchange capacity of from 170 to 1700 mEq per 100 g, and a reduction of the plate separation to from 1.2 to 1.4 nm consisting in treating at a temperature between 50°C and 140°C, preferably under pressure, one part of a purified sheet-silicate clay presenting a plate separation of from 1.2 to 1.5 nm, a cation exchange capacity at least 80 mEq per 100 g and a reduction of the plate separation of from 0.9 to 1 nm on heating to 490°C, with 0.05 to 0.5 part of magnesium hydroxide for 3 hours to 24 hours.

Complete specification 16 pages.

CLASS : 32 E 159148

Int. Cl. : C 08 F—3/00, 15/00 & 29/00.

A PROCESS FOR PREPARING POLYMER OF A CARBOXYLIC MONOMER AND AN ACRYLATE ESTER.

Applicant : THE B.F. GOODRICH COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW YORK, OF 277 PARK AVENUE, NEW YORK, NEW YORK 10017, WITH BUSINESS OFFICES AT 500 SOUTH MAIN STREET, AKRON, OHIO 44318, U.S.A.

Inventors : CHOR HUANG & ROBERT KARL SCHLATZER.

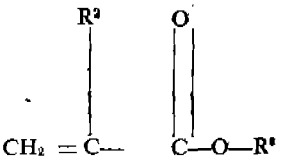
Application for Patent No. 626/Del/1983 filed on 08th September, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

A process for preparing polymer of a carboxylic monomer and an acrylate ester comprising polymerizing 95.5 to 98.9 weight per cent of an olefinically unsaturated carboxylic monomer selected from the group consisting of acrylic acid, methacrylic acid, and mixtures thereof, with

1 to 3.5 weight per cent of an acrylate ester defined by the formula



wherein R^8 is an alkyl radical of 10 to 30 carbon atoms and R^8 is hydrogen, methyl or ethyl, or a mixture of said acrylate esters, in the presence of 0.1 to 0.6 weight per-cent based on the total weight of the carboxylic acid monomer, of a polymerizable cross-linking polyalkenyl polyether of a polyhydric alcohol containing more than one alkenyl ether group per molecule wherein the parent polyhydric alcohol contains at least 4 carbon atoms and at least 2 hydroxyl groups, the amounts being based on the weight of all monomers to be polymerized.

Compl. specn. 18 pages.

PATENTS SEALED

157115	157043	157045	157053	157059	157060	157061
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RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application for restoration of Patent No. 149277 dated the 9th July, 1979 made by Ahmedabad Manufacturing and Calico Printing Company Limited on the 13th June, 1986 and notified in the Gazette of India, Part-III, Sec. 2, dated the 18th October, 1986 has been allowed and the said patent restored.

(2)

Notice is hereby given that an application for restoration of Patent No. 148937 dated the 9th July, 1979 made by Ahmedabad Manufacturing & Calico Printing Co. Ltd. on the 13th June, 1986 and notified in the Gazette of India, Part-III, Section 2 dated the 11th October, 1986 has been allowed and the said patent restored.

(3)

Notice is hereby given that an application for restoration of Patent No. 149369 dated the 9th July, 1979 made by Ahmedabad Manufacturing and Calico Printing Company Limited on the 13th June, 1986 and notified in the Gazette of India, Part-III, Sec. 2, dated the 11th October, 1986 has been allowed and the said patent restored.

REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 157445. Kizhakkanathu Thomas, of Kizhakkanath House, Punchavayal P.O., Mundakayam-686 513, Kottayam District, Kerala State, India, an Indian national, a "Mosquito Detercowl". 12th September, 1986.

Class 1. No. 157537. Richard Hammer, of Stenstorpsvagen 18, S-582 69 Linkoping, Sweden. "Instrumentaria for setting fractured Parts of the Human Skeleton". 9th October, 1986.

Class 1. No. 157554. Universal Luggage Manufacturing Company Private Limited (an Indian Company) at Building B, Shah Industrial Estate, Saki Vihar Road, Bombay-400 072, Maharashtra State, India. "Chainlock". 14th October, 1986.

Class 1. No. 157555. Universal Luggage Manufacturing Company Private Limited, (an Indian Company) at Building B, Shah Industrial Estate, Saki Vihar Road, Bombay-400 072, Maharashtra State, India. "LOCK". 14th October, 1986.

Class 3. No. 157337. Uaman Products Private Limited, a Company incorporated under the Companies Act, having its registered office at 205-A, Hiren Industrial Estate, Mogul Lane, Mahim, Bombay 400016, Maharashtra, India. "Speaker of car stereo tape recorder". 13th August, 1986.

Class 3. No. 157338. Industrial & Commercial Traders, having its registered office at Swastik Industried Compound, Chincholi Bunder Road, Off S.V. Road, Malad, Bombay-400 064 Maharashtra, India, a registered Partnership firm. "Draw Handle". 13th August, 1986.

Class 3. Nos. 157339, 157340, Paman Products Private Limited, a Company incorporated under the Companies Act, having its registered office at 205-A, Hiren Industrial Estate, Mogul Lane, Mahim, Bombay 400 016 Maharashtra, India. "Battery eliminator". 13th August, 1986.

Class 3. No. 157369. Feudor S.A., a company organized under the laws of France, of 195/197 Avenue de Pressense-69 Venissieux, France, a "Lighter". 22nd August, 1986.

Class 3. No. 157414. Arrow Plast General Products, an Indian, Sole Proprietory Firm of A-218, H.P. D'mello House, Opp. Post Office Andheri (West) S.V. Road, Bombay 400 058; Maharashtra, India, "Goggles". 2nd September, 1986.

Class 3. No. 157485. Cosco (India) Private Limited (an Indian Company), whose address is 2/8, Roop Nagar, Delhi-110007, India. "Foot Balls". 25th September, 1986.

Class 3. No. 157502. National Trading Company, (a registered Partnership firm) of M.B. House, 4th floor, 79 Ghoga Street, Fort, Bombay-400 001, State of Maharashtra, India. "Atomiser". 6th October, 1986.

Class 3. No. 157559. Peico Electronics and Electricals Limited, of Shivsagar Estate, Block 'A', Dr. Annie Besant Road, Worli, Bombay 400 018, Maharashtra, India, an Indian Company. "a Stereo Radio Recorder". 16th October, 1986.

Class 5. Nos. 157500, 157501. GTC Industries Limited, (a Company incorporated under the Provisions of Indian Companies Act) at Tobacco House, Vile Parle, Bombay-400 056, Maharashtra State, India. "Cigarette Packet". 6th October, 1986.

Extn. of Copyright for the Second Period of five years.

Nos. 151383, 151381, 151379, 151378, 151377.
151382, 151380, 156499. ..... Class 1.
Nos. 151107, 150526 ..... Class 3.
No. 151628. ..... Class 4.
No. 151002. ..... Class 12.

Extn. of Copyright for the Third period of five years.

No. 156499. ..... Class 1

Name Index of application for Patents for the Month of May, 1986 (Nos. 342/Cal/86 to 405/Cal/86, 338/Mas/86 to 429/Mas/86, 391/Del/86 to 480/Del/86 and 137/Bom/86 to 161/Bom/86.).

Name	*Appln. No.*

A

AE PLC.—398/Mas/86.

A. H. Robin Company, Incorporated.—407/Mas/86.

AVL Geselischaft Fur Verbrennungs-Kraftmaschinenund Messtechnik MBH.—478/Del/86.

Ahmed, I.—451/Del/86.

Akhmetshin, M. I.—372/Cal/86.

Alchemie Research Centre.—137/Bom/86.

Alfa-Laval Food & Dairy Engineering AB.—350/Cal/86.

Allied Corporation.—407/Del/86.

American Coin Currency Equipment Corporation.—414/Del/86.

American Hoechst Corporation.—345/Cal/86.

Ametek, Inc.—404/Cal/86.

AMOCO Corporation.—459/Del/86.

Arya, V. P.—438/Del/86.

Asea Aktiebolag.—427/Del/86.

Ateliers De Constructions Mecaniques De Vevey S.A.—449/Del/86.

Atic Industries Ltd.—153/Bom/86.

Avate, S. R.—144/Bom/86.

Avondale Industries, Inc.—434/Del/86.

Azionaria Costruzioni Macchine Automatiche A.C.M.A. S.p.A.—416/Del/86.

B

BASF Aktiengesellschaft.—349/Mas/86.

BBC Brown, Boveri & Company Limited.—355/Mas/86.

B.F. Goodrich Company, The.—408/Del/86.

Name	*Appln. No.*

BP Chemicals Ltd.—432/Del/86, 433/Del/86.

Babcock & Wilcox Company, The.—342/Cal/86, 352/Cal/86, 353/Cal/86, 354/Cal/86, 383/Cal/86.

Baid, A.—402/Del/86.

Bayer (India) Ltd.—139/Mas/86.

Behari, J.—438/Del/86.

Bera Anstalt.—361/Mas/86, 362/Mas/86, 363/Mas/86.

Bharat Heavy Electricals Limited.—405/Del/86.

Biogal Gyogyszergyar.—386/Mas/86.

Biotechnology Australia Pty. Ltd.—377/Cal/86.

Biswas, D. (Dr.)—373/Cal/86.

Board of Regents, The University of Texas System.—374/Mas/86.

Botnikov, A. Y.—372/Cal/86.

British-American Tobacco Company Limited.—426/Mas/86, 427/Mas/86.

Brown & Williamson Tobacco Corporation.—358/Mas/86.

C

CKD Dukla, Koncernovy Podnik Zavod Tatra Kolin—359/Cal/86.

Caterpillar Tractor Co.—359/Mas/86.

Celanese Corporation.—370/Cal/86.

Chawla, J. K.—421/Del/86.

Cheboxarsky Elektrome-Khanichesky Zavod Zapasnykh Chastei "Energozapchast".—375/Cal/86.

Chernovisov, G. N.—372/Cal/86.

Ciapem.—471/Del/86.

Ciba-Geigy AG.—351/Mas/86, 352/Mas/86.

Colgate Palmolive Co.—431/Del/86.

Commonwealth Industrial Gases Limited, The.—453/Del/86.

Commonwealth Scientific and Industrial Research Organisation.—360/Cal/86.

Council of Scientific and Industrial Research.—428/Del/86, 454/Del/86, 460/Del/86, 461/Del/86, 462/Del/86, 467/Del/86.

Cullis-Hill, D.—372/Mas/86.

D

DSM Reseins B. V.—417/Mas/86.

Dr. Beck & Co. AG.—370/Mas/86.

David, T. J.—450/Del/86.

Deccan Sugar Institute.—143/Bom/86.

Desai, T. G.—150/Bom/86.

Diversified Products Corporation.—371/Mas/86.

D' Mello, C.—158/Bom/86.

Dow Chemical Company, The.—380/Mas/86, 419/Mas/86.

Dyachenko, A. E.—372/Cal/86.

E

E. I. Du Pont De Nemours and Company.—387/Cal/86, 402/Cal/86.

Ebara Corporation.—423/Mas/86.

Eirich, H.—386/Cal/86.

Eirich, P.—386/Cal/86.

Eirich, W.—386/Cal/86.

Elkem a/s.—420/Mas/86.

Emhart Industries, Inc.—411/Del/86, 422/Del/86.

Name	Appln. No.

Engelhard Corporation.—397/Mas/86.

Enichem Elastomeri S.p.A.—338/Mas 86, 339/Mas/86, 421/Mas/86.

Enichem Sintesi S.p.A.—340/Mas/86.

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G

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Hoechst Aktiengesellschaft.—358/Cal/86, 385/Mas/86.

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Imperial Chemical Industries PLC.—445/Del/86.

Indian Petrochemicals Corporation Limited.—147/Bom/86, 154/Bom/86, 155/Bom/86.

International Business Machines Corporation.—422/Mas/86.

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International Standard Electric Corporation.—410//Mas/86.

Irkutsky Filial Vessju znogo Nausnno-Issledova-Telskogo I Procktnogo Institute Aljuminievol.—351/Cal/86.

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Kievsky Politekhnichesky Institut Imeni 50-Letia Velikoi Oktyabrskoi Sotsialisticheskо I REVOLJUTSII—357/Cal/86.

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Z

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